but Catlin had fo' queens."

When old man Greenlaw had reached this point he paused and smoked placidly, while the others looked around in sur-

"Most gen'ly." said Jake Winterbot-

RAILROAD FIRE FIGHTERS.

The Pennsylvania Has Equipped 428 Yard Fingines and Trained the Crews.

is a mighty costly procedure. After a

few heavy losses railroad officials began

to put their heads together to figure

out ways and means of preventing prop-

erty from being wiped out of existence.

with the result that practically all the

big systems now have complete fire pro-

he company.
At the shops of the New York Central

the water pressure is great enough to burst an ordinary fire hose when turned on

organized and is kept in a high state of efficiency.

A novel and picturesque feature of the Erie fire fighters is the an ual competition between the companies of the various shops, known as the Erie fire department races, a suitable trophy being given to the winning company.

The Sort of Job He Wanted.

Experience has taught the railroads

PROBLEMS FOR SUN READERS

A LESSON IN TACTICS FOR THE BEGINNER AT BRIDGE.

A. I. Strasburger's Composition the First Problem in the New Honor List Series The Magie Square in Cryptogram and Stamps—Moving the Pawn.

Bridge problem No. 129, printed two weeks ago, is another of A. I. Straaburger's compositions and it will probably recall his No. 90, which gave solvers good deal of trouble. As in all problems in which Y and Z are not required to win every trick the difficulty in No. 129 was to analyze the possibilities of defence for A and B. In this parcuiar problem the trap was at the end

ticular problem the trap was at the end instead of in its usual place at the beginning of the play.

The only sound solution is for Z to begin with the king of trumps so as to prevent the ace and queen from making separately, and the continuation will then depend on whether A wins the trick with the ace or passes it up. The majority of those who sent in correct solutions seemed to think the best play for A was to win the trick.

This is a magic square with six boxes on each side, using the numbers from to 36. Like all magic squares, any row of figures, whether taken horizontally, or diagonally, will give the same total. In this case the rows all makes 'em feel easier.

"Speakin' by an' large, I reckon th' ain't nothin'll do 's much good to a man what's got the kickin' habit 's draw poker. That's nachul too, come to think on 't, fo' draw poker sho' is the most amazin' for draw poker sho' is the most amazin'. for A was to win the trick.

of the three return leads open to A the trump seems the most plausible, as it postpones action on B's hand until Y has discarded. Y lets go a diamond and B a small heart, while Z wins the trick with the seven. By leading both aces and reducing the hands of Y and B to nothing but hearts Z makes it possible to put B in and force him to lead into a major tenace in Y's hand.

Of course Y passes up the heart and permits B to win the trick with the queen so that B shall be compelled to lead from his king and five right up to the ace and nine in Y's hand.

This letting a trick go by is a part of bridge tactics in which beginners are apt to be deficient, as they are usually anxious to grab the trick in sight without looking ahead. That this fault is an old one is seriebed.

shead. That this fault is an old one is evident, as Edmond Hoyle, writing 150 years ago, in his first treatise on the game of whist, lays special emphasis upon passing up tricks and gives a number of what he cells "critical situations" to show the importance of doing so.

Those who are familiar with the literature of cards will probably recall the famous story of Lurchum, the card charper, who held up an ace and small ones against Sir Calculation Puzzle, permitting him to win several ocnsecutive tricks until Lurchum's cards became a major tenace and won the rubber. The same lesson is conveyed in problem No. 129, because if Y plays the ace of hearts on his partner's lead at the fifth trick he cannot get the five tricks that are required to solve the problem.

If A returns the diamond after winning of the returns the diamond after winning gernon Bray.

the first trick Z still exhausts B of the side

The subject correct answer was from all the flatter trees. Zettli exhausts 8 of the sides with the state trees. Zettli exhausts 8 of the sides with the state trees as in the state trees as in the first vestion.

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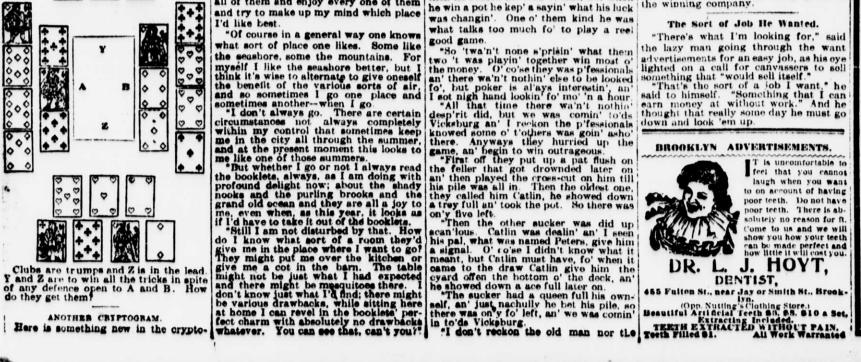
Murray Corrington and Major Tenace,
So many persons have written expressing their determination to make
the next honor list that it may be well
to warn them that they should be careful
to give the play in all important variations which demand a different line of
attack or defence or their solutions cannot

be credited. be credited.

This is the first of the next series of ten bridge problems, from which four will be selected for the honor list. All those solving the picked problems will be ranked as experts and will continue to hold that rank as long as they retain their place upon the honor lists that may follow.

Up to date the problem composers have always proved too strong for the colvers in the long run, gradually wearing them down or tripping them up. H. F. W. says he "does not know how they manage to put together such devil-ish situations with so few cards."



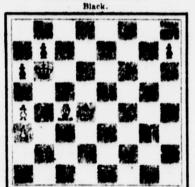


gram line, the solution of which should present no particular difficulty if a little quiet thinking is given to the conditions of the puzzle:

•	U	7 D	3 1	37	D 0
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D D	3 U		70	7 7	D
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,	DT	7.8	7 %	73	

THOSE POSTAGE STAMPS.

13	1	10	
5	8	4 7	
6	15	3	



Black has just moved his king from H2 to Kt3. It looks as if white should have some easy pickings among those pawns. If you had the white men and the move what would be your line of attack?

MR. GWILLKINTON'S VACATION. This One of the Years When He Will Take

It in the Booklets. "Where am I going this summer? Well. h'm, I haven't quite made up my mind yet," said Mr. Gwillkinton. "I'm still reading the booklets.

"Every year I get the booklets, a lot of 'em, and, say, they're wonderful. Beautifully printed and delightfully ilhistrated. Why, it's as good as a vacation to read some of them, and I go over all of them and enjoy every one of them and try to make up my mind which place

TIME TO KICK. A TIME TO BE STILL

This Illustrated in a Poker Game the Old Man Saw on a River Boat Once.

"Them 't'll kick, 'll kick," said old man
Greenlaw in a tone that may have became in an' the little feller rose it. Then
Catin he trailed an' the old gentleman

Catin he trailed an' the old gentleman rose it again.

"Peters he looked at his cyards mighty careful, an' then he put up his money like he was doubtful, an' the little feller to come to hurt, but he ain't fit fo' nothin' thouten he c'n kick when he feels like it, an' there's humans what's the same way. 'Pears like they was 'bleedged to kick oncet in a while, just so 's to clean their systems, same 's some is al'ays acussin'. Don't mean nothin', but it makes 'em feel easier.

"Speakin' by an' large, I reckon th' seen it.

"Catin he trailed an' the old gentleman rose it again.

"Peters he looked at his cyards mighty careful, an' then put up his money like he was doubtful, an' the little feller some jike he was doubtful, an' the little feller some is all up.

"Catin he trailed an' the old gentleman rose it again.

"Peters he looked at his cyards mighty careful, an' then little feller sowe is all up.

"Catin he trailed an' the old gentleman rose it again.

"Peters he looked at his cyards mighty careful, an' then little feller sowe is all up.

"Catin didn't say nothin' but he covered the money, an' so did the old gentleman; but Peters he laid down. Him an' Catlin didn't say nothin' but he covered the money, an' so did the old gentleman and the rose it again.

"Peters he looked at his cyards mighty careful, an' then little feller says he can't be treating in a sum of the put up his wad. Findin' he had somepin' like \$200 he put it all up.

"Catlin didn't say nothin' but he covered the money, an' so did the old gentleman; but Peters he laid down. Him an' Catlin down. Him an' Catlin down. Him an' Latle tellet least an'the little feller says he can't be treating in a sum of the heut of again.

"Catlin didn't say nothin' but he covered the money, an' so did the old gentleman; but Peters he laid down. Him an' Catlin down. Him an' Catlin

sirable citizen.

"O' co'se there's hangin' an' State's prison, but 'tain't al'ays the ones what's prison, but 'tain't al'ays the ones what's most deservin' of 'em 't gets 'em. Then there's tar an' featherin', an' ridin' on a rail, but 'pears like the mo' civilization th' is the mo' onreasonable prej'dice th' is ag'in them remedies.

"If a man is et up with fleas he c'n a man is et up with fleas he c'n atrip himself, an' sponge off with kero-didin't."

"Most gen'ly." said Jake Winterbottom after a pause, "there 's some kind of a point to yo' stories, Greenlaw. But that 'pears to be diff'rent, some way."

"Mebbe you mought figger it out if I was to give yo' a slate an' pencil. P'int is how the little feller knowed how 'tw'an't no time to kick an' the old gentleman didn't."

atrip himself an' sponge off with kerosene, an' most likely he c'n keep the fleas off fo' a time, but fleas ain't nothin' when yo' stop to c'nsider a lopsided, longlegged, lilylivered yap f'm east Tennessee what's al'ays an' fo' ever buttin' in when white men talks, tellin' how he don't know nothin'."

"Oh, I don't——" began Mr. Pepper

But the entire company, having listened to the old man's outburst with manifest sympathy, rose as one man, and Mr. Pepper perceived that there was no desire on the part of any to hear what it was that he didn't. So he departed.

stavin' along.

water system, intended for fire use only, and has no connection with any other distribution pipes. In the same way as at Altoona it has provided fire protection at every terminal and station. At the more important points, such as New York, Jersey City, Philadelphia, Pittsburg and Baltimore, elaborate systems have been installed to protect the property of the company. "There was fo' others into the game, but two on 'em wa'n't noways int'restin' They was just plain suckers what is done ordained fo' to lose, no matter what they play. 'Pears like it's plumb providential low many o' that kind th' is on earth. Playin' poker wouldn't be nigh as profitable as 'tis if 'twa'n't fo' that kind.

"Nachully, though I didn't take no full, so that there is no need of auxiliary tic'lar notice o' them, one on 'em fell engines. The Central has a very elabo-

"Nachully, though I didn't take no p'tic'lar notice o' them. one on 'em fell corbo'd a'ter he done went broke at the game. Some said he jumped over, but there wa'n't no way o' tellin'. Anyways he was drownded.

"But them other two sho' was some of a puzzle. One on 'em was a old man, stiff an highmighty in his ways, but sho' 'nough quality. Yo' c'd see by the way he done lose his money what he wa'n't p'tic'lar o' generaed whether he win or lose.

"But them other two sho' was some of a puzzle. One on 'em was a old man, stiff an highmighty in his ways, but sho' 'nough quality. Yo' c'd see by the way he done lose his money what he wa'n't p'tic'lar o' organized and is kept in a high state of efficiency. c'ncerned whether he win or lose.

"An' t'other was a short man with a squeaky voice what was talkin' 'bout his luck all the time. Mostly he'd lose an then he cussed his luck vi'lent, but when he win a pot he kep' a sayin' what his luck was changin'. One o' them kind he was

SURE THING TRICK FAILED

Crooked Driving Beaten by an Outsider's Unexpected Rush

little feller was p'fessionals, but they sho' played a good game, an' I was some s'prised what they didn't neither on 'em see Catlin deal crooked. Leastways they didn't say nothin', but that mought 'a' been 'long o' neither on 'em bein' in. Anyways they didn't 'pear to notice, an' they was both on 'em holdin' their own to 'able well when the whistle blowed fo' Vicksburg just a'ter Catlin begin dealin' what was the last hand 't was played.

long ago that sort of made the natives A groom was stationed on the outside of behavior, by dint of his tremendous sit up and take-notice—that is, everybody the track well up the homestretch and speed was able to secure second horse but those who should have been wise whenever the field turned for a score the position before they had gone a hundred to what was going on and could see that there was something wrong. The judges ran a dozen paces with him. The ruse ing moved up on the outside and the were either afraid to make a move toward was successful. The horse could not driver of the stallion promptly pulled our punishing somebody or they couldn't see his driver and the rigging being un-find a rule in the book which covered usual probably appealed to him. At any "Lay over there!"

up his mind to make an old fashioned killing. When the pool seller—there was one chap selling the old time auction—began calling for bids the pair were installed favorites at \$30 with \$20 for the field as often as the big auctioneer could call them off in his singsong tones. There was a strong play on the field, as there was a horse in it that had beaten a time and the previous one, and it looked pretty rosy for him to take the mare and her companion into camp. Nobody figured much on any of the others in the field making any showing. When they had stand out by the officials. The entry now became an even money favorite with the gelding second, it is a companything.

back and try to go round. When the with the mare in front the chestnut gelding with the mare in the horse was in a bowknot under the pull of his driver and his nose was bumping the driver of the mare in the small of the back. The few that didn't have a dollar on the race but were glad to see the crooked crowd lose their money was louder than the one the other fellows put up when they thought they had skinned the lamb, time of the heat was about six seconds slower than the previous one, but so far as the spectators could judge there were no warnings handed out by the officials. The entry now became an even money favorite with the field, though it was plain to the veriest novice in the ring the driver of the mare pulled right across him and knocked him off his stride, he was good enough to come along in the with had a complete the bore the with the driver of the mare and knocked h that depending on local fire departments looked as though the race would be beto extinguish fires on their property tween them.

he has things all bottled up and the money is as good as won something goes wrong, remarked the old time trotting horse enthusiast.

Somewhat. When they came out to score the slate wrote a few tickets on one of the rank outsiders at 25 to 1.

When they came out to score the slate wrote a few tickets on one of the rank outsiders at 25 to 1.

"When the word to start came for the ensuing heat the mare at the pole stepped "I saw a horse race in Canada not get him to come down with the others, away first and the stallion, on his good man seized the stallion by the bridle and yards. The honest going chestnut geld-

ing heat, with the gelding second, it looked as though the race would be best the mare and stallion doing anything.

It was noticed that some new faces were tween them.

"The second heat," went on the speaker, "found the chestnut gelding too much bookmaker who laid the odds in the old in at 20 to 1."

"Sometimes when a cheater thinks for the mare, and the cdds lengthened fashioned way by chalking them up gr

thouten he o'n kick when he feels like man, but Pefer's be fall down. Him an 'catin deen signalin' an' I recked on he k, an' there's humans what's the same and 's the seed on he wan't needed no mo'. Him of gentleman he stood he wan't needed no mo'. The offer is a while, just so 's to cleam their systems, same 's some is al'ays actually be not in the old gentleman he stood he wan't needed no mo'. The same that he was all in the stood he wan't needed no mo'. The same he some is al'ays actually be not in the old gentleman he stood he wan't needed no mo'. The same he some is al'ays actually be not he stood that an' was all keep an't be not maken't he stood that an' was all keep an't be not maken't meet a stood of the same and carried him wide and carried him wide as an in character's humans white the same that on the case in point. It was a pacing race, with six or see he portion care, with six or see he portion control the same that on the book which covered with she case in point. It was a pacing race, with six or see he portion can be the source of the same that on the same he some is a lays at the other with an interventing the he was an all the same that on the same he some is a strength and the same that on the same that and the same that the same that and the same th "Lay over there!" sang out the im-

BROOKLYN ADVERTISEMENTS.

BROOKLYN ADVERTISEMENTS. THE POWER OF HUMAN VISION.

The Simple Eye of Man and the Com-

is 't there's a time to kick an' there's a time to keep silent, as the Good Book ays.

"Minds me of a game o' poker what I ings show the beat and interest into the party of the seen oncet when I was trav'lin the river. O' co'se I didn't had no int'rest into the boat, an' stands to reason I wa'n't ings layin' long o' me not knowin' none o' them what was. There may be some hings what I don't know as much about as I mought, but one on 'em ain't settin' in with strangers' thoughten I got a pal along.

"Didn't take me no gre't while to size 'em up, though. There was two on.' em I knowed was pals 'count o' them p'tendin' they was strangers an' watchin' one I knowed was pals 'count o' them p'tendin' they was strangers an' watchin' one another like hawks a'ter each deal. Yo c'd see what they both knowed consid'able 'bout what t'other one helt. An' there was times when they bet tol'able strong ag'in one another. But when they done that there was al'ays somebody else stayin' along.

"There was fo' others into the good book ays."

I there's a time to keep silent, as the Good Book and tracks are well known, the optical part of instantly cleared and the switches quickly turned to give the fre fighting engine in ghot way over the most direct line of track through the yards in the direction of the direction of the fire. To keep the men acquainted with the apparatus and their various posts and duties drills and tests are frequently held.

As evidence of the noteworthy work done by the Pennsylvania's fire fighting or other object than an interest as that each lens acts as a separate eye and be saily proved by detaching the whole of the front of the compound eye in the direction of the inverse the direction of the fire. To keep the men acquainted with the apparatus and their various with the more compound eye in the direction of the fire. To keep the men acquainted with the apparatus and their various track through the paratus and their various track through the paratus and their various track through the paratus and their vario

with single eyes is not a question of optics, but of the sensitiveness of the optic nerve and consequently a matter of mere conjecture.

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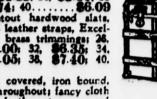
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